

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/001,407

DATE: 12/12/2001
TIME: 14:35:20

Input Set : A:\GP117.SEQLIST.TXT
Output Set: N:\CRF3\12112001\I001407.raw

ENTERED

4 <110> APPLICANT: Yang, Yeasing
5 Burrell, Terrie
7 <120> TITLE OF INVENTION: Compositions and Methods for Detecting
8 Human Immunodeficiency Virus 2 (HIV-2)
11 <130> FILE REFERENCE: GP117-03.UT
C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/001,407
C--> 13 <141> CURRENT FILING DATE: 2001-10-22
13 <150> PRIOR APPLICATION NUMBER: 60/242,620
14 <151> PRIOR FILING DATE: 2000-10-23
16 <150> PRIOR APPLICATION NUMBER: 60/280,058
17 <151> PRIOR FILING DATE: 2001-03-30
19 <160> NUMBER OF SEQ ID NOS: 34
21 <170> SOFTWARE: FastSEQ for Windows Version 3.0
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 40
25 <212> TYPE: DNA
26 <213> ORGANISM: HIV-2
28 <400> SEQUENCE: 1
29 gtgtgtgttc ccatctctcc tagtcggcgc ctggtcattc 40
31 <210> SEQ ID NO: 2
32 <211> LENGTH: 19
33 <212> TYPE: DNA
34 <213> ORGANISM: HIV-2
36 <400> SEQUENCE: 2
37 gtgtgtgttc ccatctctc 19
39 <210> SEQ ID NO: 3
40 <211> LENGTH: 20
41 <212> TYPE: DNA
42 <213> ORGANISM: HIV-2
44 <400> SEQUENCE: 3
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47 <210> SEQ ID NO: 4
48 <211> LENGTH: 21
49 <212> TYPE: DNA
50 <213> ORGANISM: HIV-2
52 <400> SEQUENCE: 4
53 gttccccatct ctccttagtcg c 21
55 <210> SEQ ID NO: 5
56 <211> LENGTH: 20
57 <212> TYPE: DNA
58 <213> ORGANISM: HIV-2
60 <400> SEQUENCE: 5
61 tccttagtcgc cgccctggta 20
63 <210> SEQ ID NO: 6
64 <211> LENGTH: 19
65 <212> TYPE: DNA
66 <213> ORGANISM: HIV-2

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68 <400> SEQUENCE: 6
69 cctagtcgcc gcctggtca
71 <210> SEQ ID NO: 7
72 <211> LENGTH: 20
73 <212> TYPE: DNA
74 <213> ORGANISM: HIV-2
76 <400> SEQUENCE: 7
77 tagtcgcgc ctggtcattc
79 <210> SEQ ID NO: 8
80 <211> LENGTH: 34
81 <212> TYPE: DNA
82 <213> ORGANISM: HIV-2
84 <400> SEQUENCE: 8
85 aaaatcccta gcaggttggc gcccgaacag ggac
87 <210> SEQ ID NO: 9
88 <211> LENGTH: 34
89 <212> TYPE: DNA
90 <213> ORGANISM: HIV-2
92 <400> SEQUENCE: 9
93 gtccctgttc gggcgccaa ctgctaggga tttt
95 <210> SEQ ID NO: 10
96 <211> LENGTH: 25
97 <212> TYPE: DNA
98 <213> ORGANISM: HIV-2
100 <400> SEQUENCE: 10
101 cgggcgccaa cctgctaggg atttt
103 <210> SEQ ID NO: 11
104 <211> LENGTH: 18
105 <212> TYPE: DNA
106 <213> ORGANISM: HIV-2
108 <400> SEQUENCE: 11
109 gtccctgttc gggcgccaa
111 <210> SEQ ID NO: 12
112 <211> LENGTH: 23
113 <212> TYPE: DNA
114 <213> ORGANISM: Artificial Sequence
116 <220> FEATURE:
117 <223> OTHER INFORMATION: Primer mismatches HIV-2 sequence by deletion of
118 two nucleotides and mutation at a third position
120 <400> SEQUENCE: 12
121 cgggcgccac tgctagagat ttt
123 <210> SEQ ID NO: 13
124 <211> LENGTH: 24
125 <212> TYPE: DNA
126 <213> ORGANISM: Artificial Sequence
128 <220> FEATURE:
129 <223> OTHER INFORMATION: Primer mismatches HIV-2 sequence by deletion of
130 one nucleotide
132 <400> SEQUENCE: 13

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133 cgggcgccac ctgctaggga tttt          24
135 <210> SEQ ID NO: 14
136 <211> LENGTH: 25
137 <212> TYPE: DNA
138 <213> ORGANISM: HIV-2
140 <400> SEQUENCE: 14
141 ccctgttcgg ggcacacct gctag          25
143 <210> SEQ ID NO: 15
144 <211> LENGTH: 52
145 <212> TYPE: DNA
146 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: T7 promoter primer having a promoter sequence
150 appended at the 5' end of an HIV-2 complementary
151 primer sequence
153 <400> SEQUENCE: 15
154 aatttaatac gactcaat agggagacgg ggcacacct gctaggatt tt      52
156 <210> SEQ ID NO: 16
157 <211> LENGTH: 45
158 <212> TYPE: DNA
159 <213> ORGANISM: Artificial Sequence
161 <220> FEATURE:
162 <223> OTHER INFORMATION: T7 promoter primer having a promoter sequence
163 appended at the 5' end of an HIV-2 complementary
164 primer sequence
166 <400> SEQUENCE: 16
167 aatttaatac gactcaat agggagagtc cctgttcggg cgcca          45
169 <210> SEQ ID NO: 17
170 <211> LENGTH: 50
171 <212> TYPE: DNA
172 <213> ORGANISM: Artificial Sequence
174 <220> FEATURE:
175 <223> OTHER INFORMATION: T7 promoter primer having a promoter sequence
176 appended at the 5' end of the sequence given as
177 SEQ ID NO:12
179 <400> SEQUENCE: 17
180 aatttaatac gactcaat agggagacgg ggcacactgc tagagatTTT      50
182 <210> SEQ ID NO: 18
183 <211> LENGTH: 57
184 <212> TYPE: DNA
185 <213> ORGANISM: Artificial Sequence
187 <220> FEATURE:
188 <223> OTHER INFORMATION: T7 promoter primer having a promoter sequence
189 appended at the 5' end of the sequence given as
190 SEQ ID NO:13
192 <400> SEQUENCE: 18
193 gaaattaata cgactcaacta tagggagacc acacgggcgc cacctgctag ggatTTT    57
195 <210> SEQ ID NO: 19
196 <211> LENGTH: 58

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197 <212> TYPE: DNA
198 <213> ORGANISM: Artificial Sequence
200 <220> FEATURE:
201 <223> OTHER INFORMATION: T7 promoter primer having a promoter sequence
202 appended at the 5' end of an HIV-2 complementary
203 primer sequence
205 <400> SEQUENCE: 19
206 gaaattaata cgactcacta tagggagacc acaccctgtt cgggcgccaa cctgctag 58
208 <210> SEQ ID NO: 20
209 <211> LENGTH: 22
210 <212> TYPE: DNA
211 <213> ORGANISM: HIV-2
213 <400> SEQUENCE: 20
214 cctggtctgt taggaccctt ct 22
216 <210> SEQ ID NO: 21
217 <211> LENGTH: 14
218 <212> TYPE: DNA
219 <213> ORGANISM: HIV-2
221 <400> SEQUENCE: 21
222 gtctgttagg accc 14
224 <210> SEQ ID NO: 22
225 <211> LENGTH: 18
226 <212> TYPE: DNA
227 <213> ORGANISM: HIV-2
229 <400> SEQUENCE: 22
230 cctggtctgt taggaccc 18
232 <210> SEQ ID NO: 23
233 <211> LENGTH: 18
234 <212> TYPE: DNA
235 <213> ORGANISM: HIV-2
237 <400> SEQUENCE: 23
238 ctggtctgtt aggaccct 18
240 <210> SEQ ID NO: 24
241 <211> LENGTH: 18
242 <212> TYPE: DNA
243 <213> ORGANISM: HIV-2
245 <400> SEQUENCE: 24
246 tggtctgtta ggaccctt 18
248 <210> SEQ ID NO: 25
249 <211> LENGTH: 18
250 <212> TYPE: DNA
251 <213> ORGANISM: HIV-2
253 <400> SEQUENCE: 25
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256 <210> SEQ ID NO: 26
257 <211> LENGTH: 16
258 <212> TYPE: DNA
259 <213> ORGANISM: HIV-2
261 <400> SEQUENCE: 26

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Input Set : A:\GP117.SEQLIST.TXT
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262 gtctgttagg accctt	16
264 <210> SEQ ID NO: 27	
265 <211> LENGTH: 18	
266 <212> TYPE: DNA	
267 <213> ORGANISM: HIV-2	
269 <400> SEQUENCE: 27	
270 gtctgttagg acccttct	18
272 <210> SEQ ID NO: 28	
273 <211> LENGTH: 27	
274 <212> TYPE: DNA	
275 <213> ORGANISM: HIV-2	
277 <400> SEQUENCE: 28	
278 aatttaatac gactcactat agggaga	27
280 <210> SEQ ID NO: 29	
281 <211> LENGTH: 33	
282 <212> TYPE: DNA	
283 <213> ORGANISM: HIV-2	
285 <400> SEQUENCE: 29	
286 gaaattaata cgactcacta tagggagacc aca	33
288 <210> SEQ ID NO: 30	
289 <211> LENGTH: 30	
290 <212> TYPE: RNA	
291 <213> ORGANISM: HIV-2	
293 <400> SEQUENCE: 30	
294 gaaggguccu aacagaccag ggucuuguua	30
296 <210> SEQ ID NO: 31	
297 <211> LENGTH: 53	
298 <212> TYPE: DNA	
299 <213> ORGANISM: HIV-2	
301 <400> SEQUENCE: 31	
302 ttccctgccgc ccttactgcc tttaaaaaaaaaaaaaaa aaaaaaaaaaaa aaa	53
304 <210> SEQ ID NO: 32	
305 <211> LENGTH: 51	
306 <212> TYPE: DNA	
307 <213> ORGANISM: HIV-2	
309 <400> SEQUENCE: 32	
310 ttccctgccgc ccttactgtt taaaaaaaaaaaaaaa aaaaaaaaaaaa a	51
312 <210> SEQ ID NO: 33	
313 <211> LENGTH: 16	
314 <212> TYPE: DNA	
315 <213> ORGANISM: HIV-2	
317 <400> SEQUENCE: 33	
318 aaagggtctt aacaga	16
320 <210> SEQ ID NO: 34	
321 <211> LENGTH: 9	
322 <212> TYPE: DNA	
323 <213> ORGANISM: HIV-2	
325 <400> SEQUENCE: 34	
326 cgggcgcca	9

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/001,407

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Input Set : A:\GP117.SEQLIST.TXT
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L:13 M:270 C: Current Application Number differs, Replaced Current Application No
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date